

February 21, 1994

CIRCUIT BREAKERS, MOLDED CASE, BRANCH CIRCUIT
AND SERVICE, TYPE I, SERIES TRIP, SINGLE POLE
(10 THROUGH 70 AMPERES)

The complete requirements for procuring circuit breakers described herein shall consist of this document and the latest issue in effect of W-C-375.

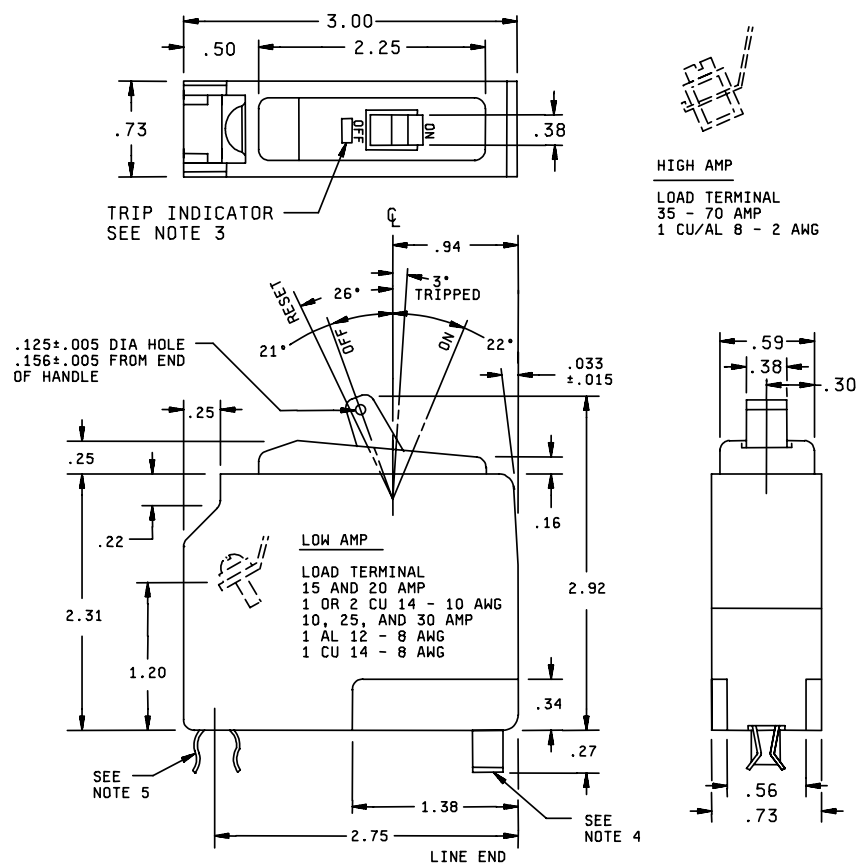


FIGURE 1. Outline drawing (10 through 70 amperes).

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Inche s	mm	Inche s	mm	Inche s	mm	Inche s	mm
.005	0.13	.22	5.59	.50	12.70	1.38	35.05
.015	0.38	.25	6.35	.56	14.22	2.25	57.15
.033	0.84	.27	6.86	.59	14.99	2.31	58.67
.125	3.18	.30	7.62	.73	18.54	2.75	69.85
.156	3.96	.34	8.64	.94	23.88	2.92	74.17
.16	4.06	.38	9.65	1.20	30.48	3.00	76.20

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Red luminescent trip indicator - visible only when breaker is tripped automatically. Window is dark when breaker is in ON or OFF position.
4. Line terminals shall grip a .250 (6.35 mm) wide and .125 (3.18 mm) thick buss bar.
5. Mounting clip shall grip a .250 (6.35 mm) diameter rail.
6. Unless otherwise specified, tolerances are ± 0.01 (0.25 mm) for two-place decimals and ± 0.005 (0.13 mm) for three-place decimals and $\pm 1^\circ$ on angles.

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FIGURE 1. Outline drawing (10 through 70 amperes) - Continued.

REQUIREMENTS:

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Interface and physical dimensions: See figure 1.

Trip indication: See figure 1.

Electrical:

Interrupting current rating: RMS symmetrical; 10,000 amperes.

Voltage rating: 120/240 V ac.

Trip current: See table I.

Frequency: 60 hertz.

Calibration: At $+25^\circ\text{C}$, $\pm 3^\circ\text{C}$

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Enclosure for overload, endurance, and short circuit tests: Square D load center Catalog No. QO2L30S used for 10 through 30 ampere breakers, QO24L70F/S used for 35 through 70 ampere breakers, or equivalent.

Supersession and cross reference: See table I.

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TABLE I. Part or Identifying Numbers (PINs) and current rating.

Government PIN	Current rating	Commercial superseded PIN CAGE 56365
WC375/01-001 <u>1/</u>	10	QO-110
WC375/01-002	15	QO-115
WC375/01-003	20	QO-120
WC375/01-004	25	QO-125
WC375/01-005	30	QO-130
WC375/01-006	35	QO-135
WC375/01-007	40	QO-140
WC375/01-008	45	QO-145
WC375/01-009	50	QO-150
WC375/01-010	60	QO-160
WC375/01-011	70	QO-170

1/ Not for new design.

- * The margins of this specification are marked with asterisks to indicate where changes from the previous issue were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous issue.

* MILITARY INTERESTS:

Custodians:

Navy - YD
Air Force - 11
DLA - CC

Review Activities:

Navy - MC, OS
Air Force - 99

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - FSS

Preparing activity:
DLA - CC

(Project 5925-0344)

- * NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <http://www.dodssp.daps.mil>.